Please amend claims 208, 210, 221, 224, 225, 228, 229, and 233-237 as follows:

--208. (Three Times Amended) A process for determining whether a chemical compound is an agonist of a mammalian $GABA_BR1/R2$ receptor which comprises contacting cells containing nucleic acid encoding, and expressing on their cell surface, the $GABA_BR1/R2$ receptor, wherein such cells prior to being transfected with such nucleic acid do not express the $GABA_BR1/R2$ receptor, with the compound under conditions permitting the activation of the $GABA_BR1/R2$ receptor, and detecting an increase in activity of the $GABA_BR1/R2$ receptor, wherein said increase in activity indicates that the compound is an agonist of a $GABA_BR1/R2$ receptor, and wherein the mammalian $GABA_BR1/R2$ receptor comprises a $GABA_BR1$ polypeptide and a $GABA_BR2$ polypeptide, which $GABA_BR1$ polypeptide has an amino acid sequence identical to the amino acid sequence shown in Figures 24A-24D (SEQ ID NO: 48) or Figures 25A-25D (SEQ ID NO: 49), and which $GABA_BR2$ polypeptide has an amino acid sequence (a) identical to the amino acid sequence shown in Figures 4A-4D (SEQ ID NO: 4) or Figures 23A-23D (SEQ ID NO: 47), or (b) encoded by a nucleic acid sequence identical to the receptor-encoding nucleic acid sequence contained in plasmid pEXJT3T7-hGABAB2 (ATCC Accession No. 203515) or in plasmid BO-55 (ATCC Accession No. 209104).--

--210. (Amended) The process of claim 208, wherein the cells additionally express nucleic acid encoding GIRK1 and GIRK4.--

--221. (Amended) The process of claim 213 or 214, wherein the

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cell is an insect cell or a mammalian cell.--

--224. (Three Times Amended) A method of screening a plurality of chemical compounds to determine whether any compound within such plurality of compounds activates a mammalian $GABA_BR1/R2$ receptor, wherein the mammalian $GABA_BR1/R2$ receptor comprises a $GABA_BR1$ polypeptide and a $GABA_BR2$ polypeptide, which $GABA_BR1$ polypeptide has an amino acid sequence identical to the amino acid sequence shown in Figures 24A-24D (SEQ ID NO: 48) or Figures 25A-25D (SEQ ID NO: 49), and which $GABA_BR2$ polypeptide has an amino acid sequence (a) identical to the amino acid sequence shown in Figures 4A-4D (SEQ ID NO: 4) or Figures 23A-23D (SEQ ID NO: 47), or (b) encoded by a nucleic acid sequence identical to the receptor-encoding nucleic acid sequence contained in plasmid pEXJT3T7-hGABAB2 (ATCC Accession No. 203515) or in plasmid BO-55 (ATCC Accession No. 209104) which comprises:

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Sub 67

(a) contacting cells containing nucleic acid encoding, and expressing on their cell surface, the $GABA_BR1/R2$ receptor, wherein such cells prior to being transfected with such nucleic acid do not express the $GABA_BR1/R2$ receptor, with the plurality of compounds under conditions permitting activation of the $GABA_BR1/R2$ receptor;

(b) determining whether the activity of the $GABA_BR1/R2$ receptor is increased in the presence of the compounds, and if it is increased;

(c) separately determining whether the activation of the $GABA_BR1/R2$ receptor is increased by each compound

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included in the plurality of compounds, so as to thereby determine whether any compound or compounds present in such plurality of compounds activates the $GABA_BR1/R2$ receptor.--

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--225. (Amended) The method of claim 224, wherein the cells express nucleic acid encoding GIRK1 and GIRK4.--

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--228. (Amended) The method of claim 224 or 225, wherein the cell is a mammalian cell.--

N.E.

--229. (Amended) The method of claim 228, wherein the mammalian cell is non-neuronal in origin.--

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--233. (Amended) The process of claims 231, wherein the $GABA_BR1/R2$ receptor comprises a $GABA_BR2$ polypeptide which has the same amino acid sequence as that encoded by the plasmid BO-55 (ATCC Accession No. 209104).--

--234. (Amended) The process of claim 231, wherein the $GABA_BR1/R2$ receptor comprises a $GABA_BR2$ polypeptide which has the same amino acid sequence as that shown in Figures 4A-4D (SEQ ID NO: 4).--

--235. (Amended) The process of claim 231, wherein the $GABA_BR1/R2$ receptor comprises a $GABA_BR2$ polypeptide which has the same amino acid sequence as that encoded by the plasmid pEXJT3T7-hGABAB2 (ATCC Accession No. 203515).--

--236. (Amended) The process of claim 231, wherein the $GABA_BR1/R2$ receptor comprises a $GABA_BR2$ polypeptide which has the same amino acid sequence as that shown in Figures 23A-23D (SEQ ID NO: 47).--